CLAIMS

What is claimed is:

1. A continuously blockable arresting device, comprising:

a housing defining a working space and first and second subchambers;

a shaft having an end received in said housing and being rotatable about a longitudinal axis in response to a force acting on said shaft from outside of the housing;

a swash plate arranged on said shaft such that said swash plate rotates and wobbles when said shaft is rotated;

first and second pistons respectively displaceably arranged in said first and second chambers, said first and second pistons being operatively displaceable in said first and second chambers in response to rotation of said swash plate; and

a first control device arranged between said first subchamber and said working space and a second control device arranged between said second subchamber and said working space, each of said first and second control devices including a blocking valve for respectively connecting a flow from said first and second subchambers to said working space and a passage valve for respectively connecting a flow from the working space to said first and second subchambers.

2. The continuously blockable arresting device of claim 2, wherein said blocking valves comprise spring-loaded non-return valves.

3. The continuously blockable arresting device of claim 2, wherein said blocking valve of said first control device opens to allow flow toward said second subchamber and said blocking valve of said second control device opens to allow flow toward said first subchamber.

4. The continuously blockable arresting device of claim 2, wherein said passage valves of said first and second control devices comprise non-return valves.

5. The continuously blockable arresting device of claim 1, wherein said passage valves of said first and second control devices comprise non-return valves.

6. The continuously blockable arresting device of claim 1, wherein said first and second subchambers are connected to each other by a passage defined in said working space.

7. The continuously blockable arresting device of claim 1, wherein said first and second pistons are connected to said swash plate by a form-fitting connection.

8. The continuously blockable arresting device of claim 7, wherein said first and second pistons have ends facing said swash plate, said ends having a shape comprising one of a spherical or conical shape, said swash plate having a receptacle for receiving each of said ends to make the form-fitting connection.

9. The continuously blockable arresting device of claim 1, further comprising springs for prestressing said first and second pistons against said swash plate.

10. The continuously blockable arresting device of claim 9, wherein said spring comprises one of a helical spring and a disc spring.

11. The continuously blockable arresting device of claim 9, wherein said first and second control devices respectively support said springs arranged in said first and second subchambers.

12. The continuously blockable arresting device of claim 1, wherein said first and second pistons are arranged at an angular spacing of 180° on said swash plate.

13. The continuously blockable arresting device of claim 1, further comprising an actuating element connected to said shaft, said actuating element receiving a force acting on said shaft and said shaft being rotatable by said actuating element.

14. The continuously blockable arresting device of claim 1, further comprising a gear mechanism arranged between said shaft and said swash plate or between said actuating element and said swash plate.

15. The continuously blockable arresting device of claim 14, wherein said gear mechanism comprises a step-up gear mechanism.

16. The continuously blockable arresting device of claim 1, wherein said shaft is connectable to a part external to said arresting device that is to be pivoted about a pivot axis, said shaft being arrangeable coaxially with the pivot axis of the part or parallel to the pivot axis.

17. The continuously blockable arresting device of claim 1, wherein said working space contains a volume of gas arranged therein on a side of said working space facing away from said first and second pistons.

18. The continuously blockable arresting device of claim 17, further comprising a membrane arranged between the fluid and the volume of gas in said working space.